HTC

User guide

hTC 5G Hub

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Trademarks and copyrights

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About this guide

We use the following symbols to indicate useful and important information:

This is a note. It provides detailed information for setup, common questions, and what to do in specific situations.

This is a tip. It will give you an alternative way to do a particular step or procedure that you may find helpful.

This indicates important information that you need in order to accomplish a certain task or to get a feature to work properly.

! This is a warning. Take note to avoid potential problems or prevent damage to your hardware.

Information contained in this guide may have changed. For the most up-to-date information, including the latest version of this guide, go to HTC Support.

Important note on recoverable data

Files and other data that have been deleted, cleared, removed, or erased from your device may still be recoverable by third-party data recovery software. Even a factory reset may not permanently erase all data from your mobile device, including personal information.

What's special with HTC 5G Hub

Features you'll enjoy

Harness 5G and 4G speeds for home, business, and in-between with HTC 5G Hub.

At home

- High-speed Internet lets you stream 4K-compatible displays.
- Responsive data connection allows competitive gaming.

On the go

- No Internet? No problem. Bring HTC 5G Hub with you wherever you go.
- Larger battery helps you stay connected throughout the day.

In the office

- Get high-speed network connections for multiple devices and configuration flexibility for a corporate VPN.
- Mobile network scales easily via Gigabit Ethernet.

Unboxing and setup

HTC 5G Hub overview

After taking HTC 5G Hub out of the box, familiarize yourself with the location of the card tray and controls.
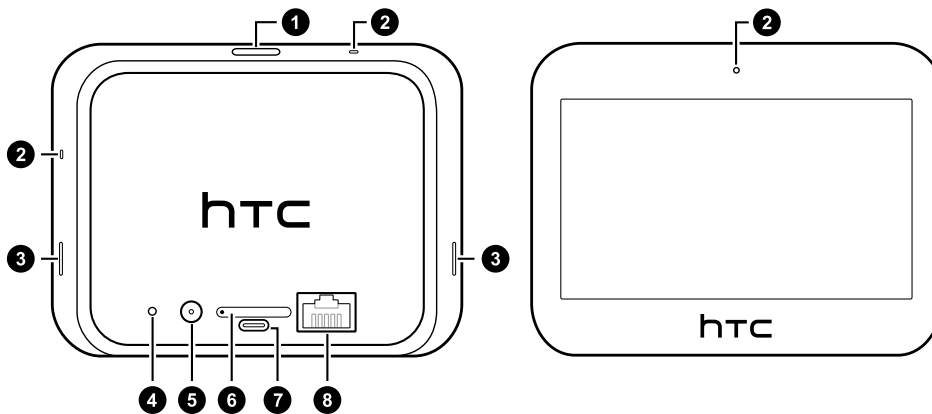
1. **POWER** button

2. Microphones

3. Speakers

4. **RECOVERY** button

5. DC charging port

6. nano SIM and storage card tray

7. USB Type-C™ port

8. Gigabit Ethernet port

You need a 5G NR/4G LTE™ plan to use your operator's 5G NR/4G LTE network for data services. Check with your operator for details.

- Before use, check all items in the box and make sure there's no damage.

- For optimal performance, make sure to leave a space around the vents to help keep HTC 5G Hub cool.

- Don't disassemble any part of the device. Don't try to open the device or remove the battery by force. Don't use the device in wet environments or expose to liquid. This may damage the device or its electronics and will invalidate the warranty.

- Please read the safety and usage guidelines in the Safety and regulatory guide included in the box.

Inserting the nano SIM and microSD cards

- Use a standard nano SIM card, if it's not already inserted. A modified card that is thicker than the standard nano SIM card will not fit properly on the tray and may damage the card slot.

- The microSD™ card is optional and sold separately.

1. Make sure HTC 5G Hub is powered off. See Switching the power on or off on page 13.

2. Place the device on a flat surface.

3. Insert the tip of the tray eject tool that came with your hub—or a small bent paperclip—into the tray eject hole.
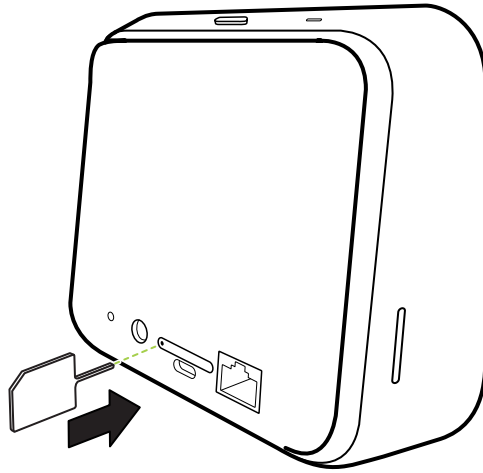
When inserting the eject tool into the tray eject hole to remove the card tray, do not obstruct the tray to avoid damaging the eject mechanism inside the slot.
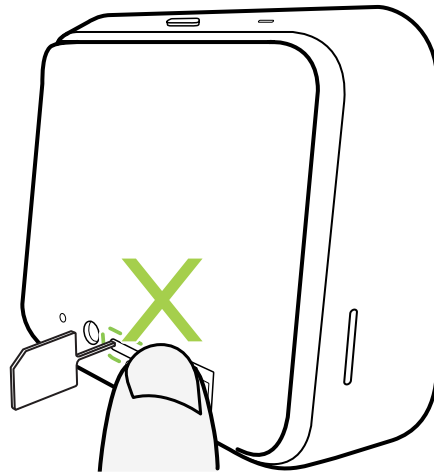
4. Push the tip all the way into the hole until the tray ejects, and then pull the tray out.

5. With the gold contacts facing down, place your nano SIM and microSD cards into the SIM and SD holders of the tray. Make sure to align the cut-off corner of the nano SIM card to the notch on the holder.
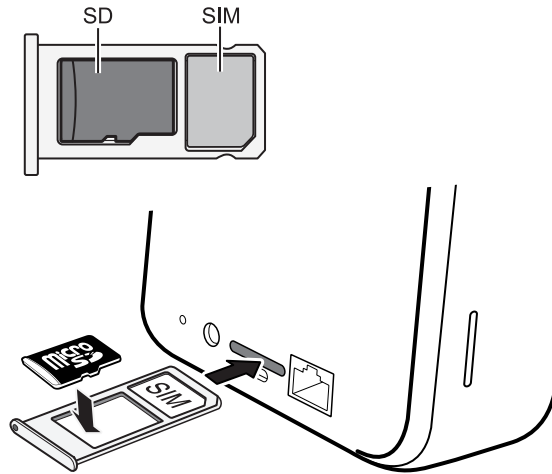
6. When reinserting the tray, make sure it is facing up so that your cards don't fall out. With the outer card holder between your fingers, steadily slide the tray all the way into the slot.
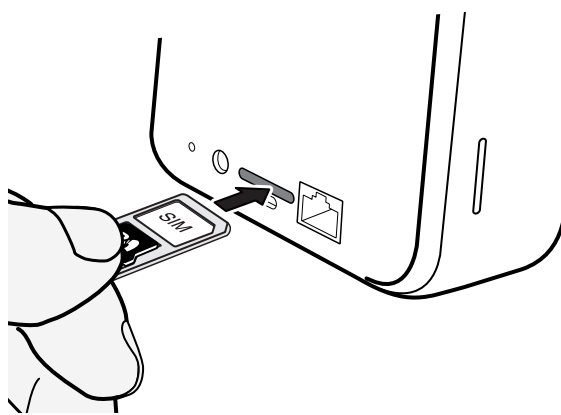
7. Make sure the tray is fully inserted and doesn't protrude from the slot.

Follow the same procedure above to eject the tray and remove your cards. Before ejecting the tray, make sure to unmount your microSD card first. See

Charging the battery

Before you turn on and start using HTC 5G Hub, it is recommended that you charge the battery.

- If the battery has been fully drained, you may need to charge HTC 5G Hub for several minutes before powering it on.

- Use the HTC power adapter to charge the battery.

- Make sure to leave space around the back and sides of HTC 5G Hub for ventilation.

1. Insert the small end of the charging cable into the DC charging port on the back of the device.
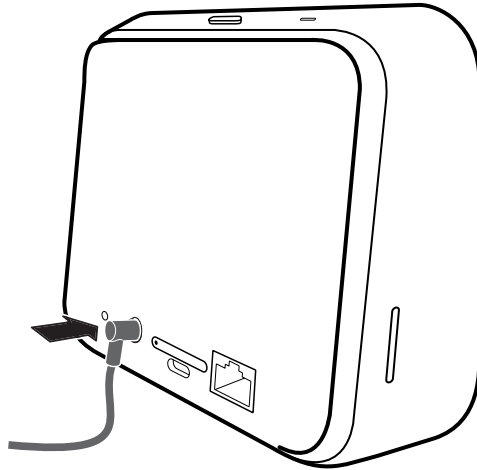
2. Plug in the power adapter to an electrical outlet to start charging the battery.

3. After you finish charging, unplug the charger from your device first.

- Avoid charging the battery in hot environments. As a safety precaution, the battery may stop charging to avoid overheating.

- When you're using battery-intensive apps such as games or video streaming apps while charging the battery, your device may become warmer. This is normal.

- It is strongly recommended to unplug the power adapter from the electrical outlet when not in use.

You can also charge your device with a USB Type-C cable.

Switching the power on or off

Switching the power on

Press the POWER button until the HTC 5G Hub screen illuminates.

When you turn on HTC 5G Hub for the first time, you'll need to set it up. See Setting up HTC 5G Hub for the first time on page 13.

Switching the power off

1. If the display is off, press the POWER button to turn it back on.

2. Press and hold the POWER button for a few seconds.

3. Tap **Power off** on the options menu.

> You can also go to Settings, and then tap **System** > **Advanced** > **Shut down** > **Power off**.

Setting up HTC 5G Hub for the first time

When you turn on HTC 5G Hub for the first time—or after you've done a factory reset—you'll need to set it up.

1. If you need to navigate by voice feedback, turn on TalkBack by pressing and holding two fingers on the first screen until you hear a message and then a beep.

   Or if you accidentally enabled TalkBack, follow the onscreen tutorial to turn it off.

2. Choose the system language you want to use, then read and agree to the terms of use.

3. Specify your Wi-Fi hotspot name and password.

   You will need to enter this information on each device you want to connect.

4. Specify your 802.11ad hotspot and password, or do this later.

   You will need to enter this information on each device you want to connect.

5. Sign in to your Google® Account.

6. On the Google Services screen, make sure the **Back up to Google Drive** option is turned on to enable Auto Backup. It's also recommended to have the options under Location and Device maintenance turned on.

7. Set a screen lock with a PIN, pattern, or password. You can also do this later. For details, see Setting a screen lock on page 65.

8. Set up Google Assistant, or do this later. For details, visit support.google.com/assistant/.

9. Choose your device mode:

   - **HTC 5G Hub mode**: Features the Dashboard with hotspot information and quick access to its settings. See HTC 5G Hub Dashboard on page 24 for details.
   - **Android mode**: Provides you with the native Android Home screen launcher.

   You can switch between these modes at any time later. See Choosing your Home screen mode on page 24.

Some features that need to connect to the Internet such as location-based services and auto-sync of your online accounts may incur extra data fees. To avoid incurring data fees, disable these features under Settings.

Adding your social networks, email accounts, and more

You can sync contacts, calendars, and other information from your social networks, email accounts, and online services on HTC 5G Hub. Depending on the account type, signing in to your online accounts lets you sync updates between HTC 5G Hub and the Web.

1. Go to Settings, and then tap **Accounts**.

2. Tap **Add account**.

3. Tap the account type you want to add.

4. Follow the onscreen instructions to enter your account information.

You can add several Google Accounts.

Syncing your accounts

1. Go to Settings, and then tap **Accounts**.

2. Tap the Automatically sync data **On/Off** switch to turn automatic sync of all your accounts on or off.

3. To manually sync individual accounts, tap an account, tap **Account sync**, and then tap ⋮ > **Sync now**.

On the Account sync screen, you can also change the sync settings for your Google Account.

Removing an account

Remove accounts from HTC 5G Hub if you no longer use them. Removing an account does not remove accounts and information from the online service itself.

1. Go to Settings, and then tap **Accounts**.

2. Tap an account.

3. Tap **Remove Account**.

Some personal data may be retained by the third-party app after you have removed the account from HTC 5G Hub.

Basics

Navigation Bar

Use the available action buttons on the Navigation Bar to perform frequently-used actions.

In **HTC 5G Hub mode**, you may need to swipe from the right edge of the screen to show the Navigation Bar.
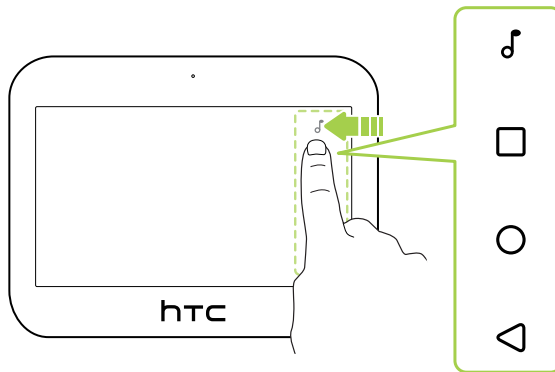
On the Navigation Bar, you can do the following:

- Tap ♪ to display the volume controls. See Adjusting the volume on page 57.
- Tap ☐ to show recent apps that you've used. See Switching between recently opened apps on page 51.
- Tap ○ to go to the Home screen.
- Tap ◁ to go back to the previous screen.

Ways to capture screenshots

It's easy to take a picture of the screen to keep or share.

To capture a screenshot, you can use the following buttons:

- **POWER**

    Press and hold the POWER button, and then tap **Screenshot**.
- **POWER button and onscreen HOME button**

    Press and hold the POWER button, and then tap ○ on the Navigation Bar while still pressing the POWER button.

Sleep mode

Sleep mode saves battery power by putting HTC 5G Hub into a low power state while the display is off. It also stops accidental button presses when HTC 5G Hub is in your bag.

Switching to Sleep mode

To turn off the display and switch to Sleep mode, briefly press the POWER button.

HTC 5G Hub also automatically goes into Sleep mode when it's left idle for a while. You can change the time before HTC 5G Hub sleeps by setting the screen timeout. For details, see Setting when to turn off the screen on page 60.

Waking up from Sleep mode

Press the POWER button.

Lock screen

Here's what you can do on the Lock screen:

- Swipe up on the lock screen to unlock the screen.

- Tap twice on a notification to go directly to the related app.

- Swipe left or right on the notification to remove it.

- Slide left or right on a notification until you see 🕒 and ⚙. Tap 🕒 to snooze the notification.

- Press and hold a notification, and then tap **Stop notifications** or **Keep showing** to customize the notification settings.

  If you don't want notification content to appear on the lock screen, go to **Settings** > **Security** > **Lock screen preferences** > **On the lock screen**, and then tap **Don't show notifications at all**. If you want to set up a screen lock or Smart lock, see Setting a screen lock on page 65 for details.

Smart display

Smart display gives you a quick glimpse of the date and time, battery status, notification icons, and network status. It only appears when HTC 5G Hub is connected to a power supply.

1. Go to Settings, and then tap **Display**.

2. Tap **Advanced** > **Smart display**.

3. You can turn off Smart display by tapping the **On/Off** switch.

Need complete darkness? You can set a schedule for Smart display by making sure **Set schedule** is enabled. Then choose a start time, end time, and days of the week.

Getting to know your settings

Want to set up a hospot connection, tweak your battery settings, or add your accounts? Do this and more in Settings.

1. Open Settings from the Notifications panel or Home screen:

   - From the Home screen, find and tap **Settings**.
   - Swipe down from the top of the screen and then tap ⚙ . If the status bar is hidden, swipe once from the top of the screen to make it appear, then swipe again to show the Notifications panel.

2. Here are some of the basic settings you can change:

   - Tap **Network & Internet** to connect and configure your data connection, check your data usage, turn your device into a Wi-Fi® hotspot, and more.

   - Tap **Display** to change the wallpaper, adjust the font and display size, set a screen saver, and more.

   - Tap **Sound** to change notification sounds, decide if sound and vibration occur when interacting with the device, set Do not disturb preferences, and more.

   - Tap **Security** to help secure your device, choose lock screen preferences, set your location option, and more.

> 💡 Tap 🔍 in Settings to quickly find options and settings.

Using Quick Settings

In Quick Settings, easily turn settings such as hotspot and Bluetooth® on or off.

> 📢 In **HTC 5G Hub mode**, you may need to swipe down from the top edge of the screen to make the status bar appear.

1. Swipe down from the status bar.

   Right below the status bar, you'll see the short Quick Settings bar.
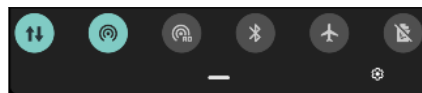
2. To see the full Quick Settings panel, do any of the following:

   - On the lock screen, swipe down once from the status bar.
   - On any other screen, swipe down once with two fingers or swipe down twice with one finger from the status bar.
   - With the short Quick Settings bar opened, slide it downward.

3. Swipe left or right to see more icons.

4. To turn a setting on or off, just tap its icon.

You can remove, replace, or rearrange the tiles in Quick Settings.

In **HTC 5G Hub mode**, you may need to swipe down from the top edge of the screen to make the status bar appear.

1. With two fingers, swipe down from the status bar to open Quick Settings.
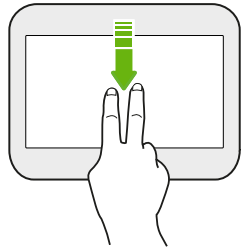
2. Tap ✐ and do one of the following:

   ▪ Press and hold a tile, and then drag it to your desired position.
   ▪ Press and hold a tile, and then drag it down under the Drag to add tiles section to hide it from the Quick Settings panel.
   ▪ Under the Drag to add tiles section, drag a tile up to show it in the Quick Settings panel.

3. Press ◁.

There is a limit to the number of tiles that can be shown in the first panel of Quick Settings. You may need to swipe left on the Quick Settings panel to see more Quick Settings tiles.

Restarting HTC 5G Hub (Soft reset)

If HTC 5G Hub is running slower than normal, is unresponsive, or has an app that is not performing properly, try rebooting and see if that helps solve the problem.

1. If the display is off, press the POWER button to turn it back on.

2. Press and hold the POWER button until a selection menu appears, and then tap **Restart**.

HTC 5G Hub not responding?

If HTC 5G Hub freezes, you can still restart it.
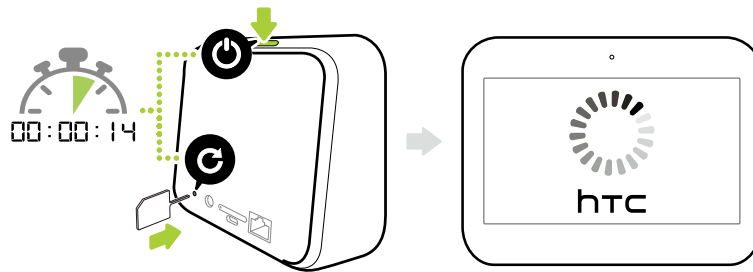
1. Insert the tip of the pin tool all the way into the bottom left hole at the back panel.

2. Press and hold the tool on the RECOVERY button inside the hole. Then press the POWER button for 14 seconds.

3. When your device restarts, release the buttons.

Notifications

Notifications panel

Notification icons inform you of new messages, calendar events, alarms, and activities in progress such as files downloading. When you see notification icons, open the Notifications panel to check out details of the notifications that you've received.

> In **HTC 5G Hub mode**, you may need to swipe down from the top edge of the screen to make the status bar appear.

To open the Notifications panel, slide down from the status bar.

Or just swipe down anywhere on the Home screen.
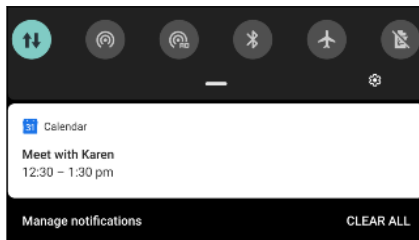
- Tap the notification to open the corresponding app.

- To dismiss just one notification in the list, drag it left or right.

- Slide two fingers apart on the notification to expand it and see more details or see if there are more notifications bundled inside it. Slide two fingers together on the notification to minimize it again.

- Some notifications allow you to take immediate action. For example, tap to reply to a text message.

- If you have several notifications, scroll through the list screen to see them all.

- To dismiss all non-persistent notifications, tap **Clear all**.

- You can change what app notifications you want to receive and also snooze some notifications to temporarily remove them. See Managing app notifications on page 22.

Snoozing notifications

You can snooze notifications to temporarily remove them from the status bar and notifications panel.

1. Swipe down from the top of the screen to open the Notifications panel.

2. Slide the notification slowly to the right or left, and then tap ⏰ .

3. Tap ⌄ then choose how long you want to snooze the notification.

The snoozed notification shows up again on the status bar and notifications panel as soon as the snooze time ends.

Turning Notification dots on or off

Some apps may show a dot when they have notifications. You can choose to turn the Notification dots on or off.

1. Go to Settings, and then tap **Apps & notifications**.

2. Tap **Notifications**.

3. Tap the **On/Off** switch next to the **Allow notification dots** option to turn it on or off.

Managing app notifications

Choose which types of app notifications to enable, disable, or override your Do Not Disturb settings.

1. Go to Settings, and then tap **Apps & notifications**.

2. Do one of the following:

   - To choose any app, tap an app under the Recently opened apps section. Or tap **See all ___ apps** to choose from more apps. Then tap **Notifications**.
   - To choose an app that recently sent you notifications, tap **Notifcations**. Under the Recently sent section, tap the app you want. Or tap **See all from last 7 days** to choose from more recent apps.

3. Tap the **On/Off** switch or check box next to the option you want to toggle.

App notification settings are applied to notifications in the Notifications panel and the lock screen.

You can also press and hold a notification in the Notifications panel or the lock screen to see the notification settings you can customize.

Selecting, copying, and pasting text

1. Press and hold on a word.

2. Drag the start and end anchors to highlight the text you want to select.

3. Tap **Copy**.

4. In a text entry field (for example, while composing an email), press and hold at the point where you want to paste the text.

5. Tap **Paste**.

Sharing text

1. After you have selected the text, tap **Share**.

2. Choose where to share the selected text.

Entering text

The keyboard becomes available when you tap a text field in an app.

Here are some things to keep in mind while using Gboard:

✎ The keyboard layout may slightly differ depending on the text field currently active.

- Tap the keys on the onscreen keyboard to enter letters and numbers, as well as punctuation marks and symbols.

- Some keys have multiple characters or accents associated with them. Press and hold a key to enter numbers, symbols, or accented letters.

- Tap ?123 to show number and symbol keys.

- Tap ☺ to choose from a wide selection of emojis and GIFs.

- Tap Ⓖ to translate text, switch to one-handed typing mode, access keyboard settings, and more.

- Press ◁ to close the onscreen keyboard.

Entering text by speaking

1. Tap an area where you want to enter text.

2. On the keyboard, tap 🎤 .

3. Say the words you want to enter. Enter punctuation marks by saying its name. For example, say "`Bring water comma towels comma and goggles period`"". The text will appear as "`Bring water, towels, and goggles.`"

Want some quick guidance on using HTC 5G Hub?

Check out the friendly walkthroughs and the FAQs in the Help app to learn how to use HTC 5G Hub.

1. Open the Help app.

2. If this is your first time to use the app, tap **Search help articles & videos** and download the help content.

3. Tap ☰ to browse how-tos and FAQs.

Home screen

Choosing your Home screen mode

You can switch between the Home screen designed for HTC 5G Hub and the native Android™ Home screen.

1. Go to Settings, and then tap **Personalize**.

2. Tap **Change Home screen launcher**.

3. Select which Home screen mode you want to use—**HTC 5G Hub mode** or **Android mode**.

> You can also switch between the two modes by pressing and holding the POWER button and then tapping **HTC 5G Hub mode** or **Android mode**.

HTC 5G Hub Dashboard

The Dashboard shows the status of your HTC 5G Hub and all connected devices.

From the Dashboard, you can:

- Set up your Wi-Fi and 802.11ad hotspots if you haven't done so, or change their settings. To find out how, see Using HTC 5G Hub as a Wi-Fi hotspot on page 28 and Using HTC 5G Hub as an 802.11ad hotspot on page 29.

> In devices designed for certain regions or mobile operators, the Dashboard may not show the 802.11ad hotspot. Go to **Settings** > **Network & Internet** to access the 802.11ad hotspot setting.

- See and manage devices connected to HTC 5G Hub.

- See your mobile data connection status such as the signal strength.

Adding or removing a home screen panel

Add more home screen panels when you need more space for adding app icons and widgets. You can also easily remove a panel if it's not needed.

Here's how to add or remove a home screen panel in **HTC 5G Hub mode**.

1. From the Dashboard, swipe left until you see the home screen panel you want.

2. Press and hold an empty space on the home screen panel to open the Options menu.

3. Tap ✎ .

4. To add a new home screen panel, tap ✚ .

5. To remove a home screen panel, swipe left or right until you see the panel, and then tap **Remove**.

6. To go directly to a home screen panel, tap the panel to select it first. Then tap it again.

> - You won't be able to add a new home screen panel if you've already reached the maximum limit.
>
> - The Dashboard always appears as the first panel. A home screen panel cannot be added before it.
>
> - To go directly to a home screen panel, swipe left or right to select it first. Then tap it.

Arranging home screen panels

In **HTC 5G Hub mode**, you can move home screen panels around to rearrange them, except for the Dashboard screen.

1. On the Dashboard or any home screen panel, slide two fingers together.

   Home screen panels will then be displayed as thumbnails.

2. Press and hold a home screen panel thumbnail, and then drag it left or right to the position that you want.

3. When you're done arranging the home screen panels, press ◁ .

Changing your Home screen wallpaper

Choose from the preset wallpapers, or use any of your own photos.

1. Go to Settings, and then tap **Personalize**.

2. Tap **Change wallpaper**.

3. Choose from where you want to select a wallpaper.

4. Tap **Apply** or **Set wallpaper**.

Adding Home screen widgets

Widgets make at-a-glance important information and media content readily available.

Here's how to add a home screen widget in **HTC 5G Hub mode**.

1. From the Dashboard, swipe left until you see the home screen panel you want.

2. Press and hold an empty space on the home screen panel to open the Options menu.

3. Tap **Add widgets**.

4. Scroll through the widgets, or tap Q to search for a specific widget.

5. Press and hold a widget, and then drag it to a home screen panel you want to add it to.

Moving a Home screen item

You can easily move a widget or icon from one home screen panel to another.

Here's how to move a widget or icon on the home screen in **HTC 5G Hub mode**.

1. Press and hold a Home screen item with one finger.

2. With another finger, flick left or right to scroll to another home screen panel.
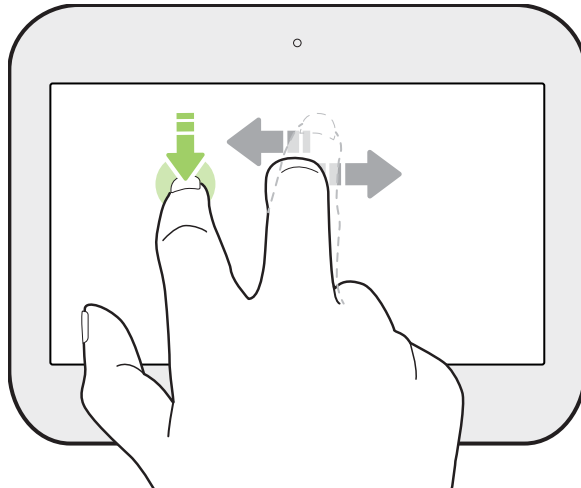
3. Release the item to where you want to move it to.

Changing the widget settings

You can modify basic settings of some widgets.

1. Press and hold a widget on your Home screen, and then drag it to ⚙ .

2. Customize the widget settings.

Resizing a widget

Some widgets can be resized after you've added them to your Home screen.

1. Press and hold a widget on the Home screen, and then release your finger. If a border appears, that means the widget is resizable.

2. Drag the sides of the border to enlarge or shrink the widget size.

Grouping apps on the Home screen

You can group apps into folders to reduce clutter on your Home screen.

1. Press and hold an app, and then drag it over to another app to automatically create a folder.
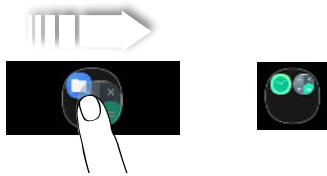
2. Tap the folder to open it.

3. Tap **Unnamed folder**, and then enter a new folder name.

4. To add more apps, just drag them into the folder.

Removing apps from a folder

1. On the Home screen, tap a folder to open it.

2. Press and hold an app, and then drag it out of the folder.

Internet connections

Turning the data connection on or off

Turning your data connection off saves battery life and money on data charges.

> You need a 5G NR/4G LTE plan to use your operator's 5G NR/4G LTE network for data services. Check with your operator for details.

1. Open the full Quick Settings panel. See Using Quick Settings on page 18.
2. Tap the **Mobile data** tile to turn the data connection on and off.

> - If you do not see the **Mobile data** tile on the Quick Settings panel, swipe left to see more tiles.
> - If you don't have the data connection turned on, you won't receive automatic updates to your email, social network accounts, and other synced information.

Using HTC 5G Hub as a Wi-Fi hotspot

Share your data connection with other devices by turning HTC 5G Hub into a Wi-Fi hotspot.

> - Make sure the data connection is turned on.
> - You must have an approved data plan associated with your account from your mobile operator to use this service. Devices connected to your Wi-Fi hotspot use data from your subscribed data plan.
> - To help minimize security risks, use the default security settings and set a strong, unique password.

1. Press and hold the POWER button, then tap **HTC 5G Hub mode** in the selection menu.

   If **Android mode** appears in the menu, it means you're already in **HTC 5G Hub mode**.

2. From the Dashboard, swipe left and tap **Tap here to set up Wi-Fi HOTSPOT**.

   If you see a Wi-Fi network name and password instead of **Tap here to set up Wi-Fi HOTSPOT**, your hotspot is already active. You can tap the dial to change settings or turn it off.

3. You'll see `HTC 5G Hub _____` as the default hotspot name. Use the default, or tap **Hotspot name** to change it.

4. Tap **Hotspot password** to check the default password. Use the default or change it.

   The password will be required for other devices to connect and use HTC 5G Hub as a wireless router.

5. Tap **Advanced** > **Manage users** to set a limit to the number of users who can connect to your Wi-Fi hotspot.

6. Tap the Wi-Fi hotspot **On**/**Off** switch to turn it on.

HTC 5G Hub is ready to be used as a Wi-Fi hotspot when you see   on the status bar.

Using HTC 5G Hub as an 802.11ad hotspot

Share your data connection with other devices by turning HTC 5G Hub into an 802.11ad hotspot.

> - Make sure the data connection is turned on.
>
> - You must have an approved data plan associated with your account from your mobile operator to use this service. Devices connected to your 802.11ad hotspot use data from your subscribed data plan.
>
> - To help minimize security risks, use the default security settings and set a strong, unique password.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Network & Internet** > **802.11ad hotspot** .

   The first time you turn on the 802.11ad hotspot, you'll need to set it up.

3. You'll see `HTC 5G Hub _____` as the default hotspot name. Use the default, or tap **Hotspot name** to change it.

4. Tap **Hotspot password** to check the default password. Use the default or change it.

   The password will be required for other devices to connect and use HTC 5G Hub as a wireless router.

5. Tap the 802.11ad hotspot **On**/**Off** switch to turn it on.

HTC 5G Hub is ready to be used as an 802.11ad hotspot when you see   on the status bar.

Sharing your Internet connection over Ethernet

Share your mobile data connection over a wired Ethernet connection. Wired connections can be more stable than wireless ones in some circumstances, can consume less power, and can be less prone to interference.

- Make sure the data connection is turned on.

- You must have an approved data plan associated with your account from your mobile operator to use this service. Devices connected to HTC 5G Hub use data from your subscribed data plan.

- Make sure you have a compatible Ethernet cable. The port on HTC 5G Hub supports up to Gigabit Ethernet.

1. Connect one end of an Ethernet cable to HTC 5G Hub.

2. Connect another end to the device you want to connect to the Internet.

If you are connecting HTC 5G Hub to a router or switch to share your Internet connection with many devices, such as a home network, make sure to connect HTC 5G Hub to the port labeled WAN or Internet on your other device.

Sharing your Internet connection over USB

No Internet connection available for your computer? No problem. Use the data connection of HTC 5G Hub to connect to the Internet.

- You may need to have USB tethering added to your data plan, and it may incur additional cost. Contact your mobile service provider for details.

- Make sure that mobile data is turned on.

1. Connect HTC 5G Hub to your computer using a USB Type-C cable.

2. Go to Settings. See Getting to know your settings on page 18.

3. Tap **Network & Internet** > **Hotspot & tethering** .

4. Tap the USB tethering **On/Off** switch to turn it on.

Connecting to VPN

Add virtual private networks (VPNs) so you can connect and access resources inside a local network, such as your corporate or home network.

Before you can connect HTC 5G Hub to your local network, you may be asked to:

- Install security certificates.

- Enter your login credentials.

- Download and install a required VPN app, such as for connecting to a secured enterprise network. Contact your network administrator or VPN provider for details.

Also, HTC 5G Hub must first establish an Internet connection before you can start a VPN connection.

Adding a VPN connection

You must first set a lock screen PIN, password, or pattern before you can use credential storage and set up the VPN.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Network & Internet** > **Advanced** > **VPN** , and then tap ✚.

3. Enter the VPN settings and set them up according to the security details your network administrator gave you.

4. Tap **Save**.

Connecting to a VPN

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Network & Internet** > **Advanced** > **VPN**.

3. Tap the VPN that you want to connect to.

4. Enter your log in credentials, and then tap **Connect**. When you're connected, the VPN connected icon 🔒 appears in the notification area of the status bar.

To disconnect from a VPN connection, tap the VPN connection, and then tap **Disconnect**.

You can then open the web browser to access resources such as your corporate network intranet.

Installing a digital certificate

Use client and Certificate Authority (CA) digital certificates to enable HTC 5G Hub to access VPN or secured Wi-Fi networks, and also to provide authentication to online secure servers. You can get a certificate from your system administrator or download it from sites that require authentication.

> ▪ You must set a lock screen PIN or password before installing a digital certificate.
>
> ▪ Some apps such as your browser or email client let you install certificates directly in the app. See the app's help for details.

1. Save the certificate file in the root folder on HTC 5G Hub or your storage card.

2. Go to Settings, and then tap **Security**.

3. Tap **Advanced** > **Encryption & credentials** > **Advanced** > **Install from SD card**.

4. Browse to the certificate and select it.

> Tap ☰ to browse the storage card.

5. Enter a name for the certificate and select how it will be used.

6. Tap **OK**.

Managing your data usage

If you're on a limited data allowance, it's important to keep track of the activities and apps that usually send and receive data, such as browsing the web, syncing online accounts, and sending email or sharing status updates.

Here are some other examples:

▪ Streaming web videos and music

▪ Playing online games

▪ Downloading apps, maps, and files

▪ Refreshing apps to update info and feeds

▪ Uploading and backing up your files to your online storage account

▪ Using HTC 5G Hub as a hotspot

▪ Sharing your mobile data connection by USB tethering or Ethernet

Data Saver

Data Saver helps you limit cellular data costs by restricting background data usage. You can also set applications to always have access to a data connection—such as your email app—to be ignored by Data Saver.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Network & Internet** > **Advanced** > **Data usage**.

3. Tap **Data saver** and then tap the **On/Off** switch to turn it on or off.

4. Tap **Unrestricted data**, and then tap the **On/Off** switch next to those apps that you want to still have access to data connection even if Data Saver is turned on.

Turning data roaming on or off

Connect to your mobile operator's partner networks and access data services when you're out of your mobile operator's coverage area.

> ! Using data services while roaming may be costly. Check with your mobile operator for data roaming rates before you use data roaming.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Network & Internet** > **Mobile network**.

3. Tap **Data roaming** to turn it on or off.

Keeping track of your data usage

Monitor your data usage to help prevent going over your monthly data allowance.

> Data usage measured by HTC 5G Hub may differ from, and be less than, your actual data usage.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Network & Internet** > **Advanced** > **Data usage**.

   At the top you'll see a bar that displays the data usage to date, and the data usage cycle, alert, warning, and limit, if one has been set.

3. With Mobile data turned on, tap **Data warning & limit** > **App data usage cycle**, and then set the day of the month when your usage cycle resets. This date is usually the start of your monthly billing cycle.

4. Tap the Set data warning **On/Off** switch to turn it on and then tap **Data warning** to enter the amount of data usage at which you'll be alerted. Tap ▼ to change the unit.

5. Tap the Set data limit **On/Off** switch to turn it on and then tap **Data limit** to enter the set data usage at which your data connection will automatically be disabled. Tap ▼ to change the unit.

Viewing the data usage of apps

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Network & Internet** > **Advanced** > **Data usage**.

3. Tap **App data usage**.

4. Scroll down the screen to see a list of apps and their data usage info.

5. Tap an app to see more details.

Battery

Turning Battery management on or off

Battery management helps protect your battery if you leave your device plugged in for extended periods.

Batteries can deteriorate if they are left plugged in at full charge for long periods of time, like if you want to use HTC 5G Hub for fixed wireless service in your home. Battery management automatically adjusts your battery charge to 70% if your device is plugged in longer than 3 days. This can help prolong the life span of your battery. If you want to use HTC 5G Hub as a portable hotspot, or you use it for fixed wireless but plan to take a trip soon, make sure to disable this mode.

1. Go to Settings. See

2. Tap **Battery** > **Battery management**.

3. Tap the Battery management **On/Off** switch to turn it on or off.

Adjusting the charge level to a lower setting can help prolong the usable life span of your battery even further. From the Battery management screen, tap **Select charge level** to adjust.

Tips for extending battery life

How long the battery can last before it needs recharging depends on how you use HTC 5G Hub. Try out some of these tips to help increase battery life.

Use the power management features

- Turn **Battery saver** and **Battery Manager** on in Settings.

- Monitoring your battery usage helps identify what's using the most power so you can choose what to do about it. For details, see

Manage your connections

- Turn off wireless connections such as mobile data or Bluetooth when not in use.

- Turn on Airplane mode when you don't need any wireless connections and you don't want to receive messages.

Manage your display

Lowering the brightness, letting the display sleep when not in use, and keeping it simple helps save battery power.

- Lower the screen brightness when you don't need it. See Screen brightness on page 60.

- Set the screen timeout to a shorter time. See Setting when to turn off the screen on page 60.

- Changing your wallpaper to a plain, black background can help a little. The less color is displayed, the less battery is used. See Changing your Home screen wallpaper on page 25.

Manage your apps

- Battery manager helps extend battery standby time. See Battery optimization for apps on page 37.

- Install the latest software and application updates. Updates sometimes include battery performance improvements.

- Uninstall or disable apps that you never use.

  Many apps run processes or sync data in the background even when you're not using them. If there are apps that you don't need anymore, uninstall them.

  If an app came preloaded and can't be uninstalled, disabling the app can still prevent it from continuously running or syncing data. See Disabling an app on page 54.

Limit background data and sync

Background data and sync can use a lot of battery power if you have many apps syncing data in the background. It's recommended not to let apps sync data too often. Determine which apps can be set with longer sync times, or sync manually.

- In Settings, tap **Accounts** and check what types of data are being synced in your online accounts. When the battery is starting to run low, temporarily disable syncing some data.

- If you have many email accounts, consider prolonging the sync time of some accounts.

- When you're not traveling from one place to another, sync weather updates of only your current location, rather than in all of your named cities. Open the Weather app, and then tap ⋮ to edit and remove unneeded cities.

- Choose widgets wisely.

  Some widgets constantly sync data. Consider removing the ones that are not important from your Home screen.

- In Google Play Store, tap ≡ > **Settings**, and then tap **Auto-update apps** > **Don't auto-update apps** if you're fine with updating apps from Google Play Store manually.

Other tips

To squeeze in a little bit more battery power, try these tips:

- Tone down the notification and media volume.

- Minimize the use of sound feedback. In Settings, tap **Sound** and choose which ones you don't need and can disable.

- Check your app settings as you may find more options to optimize the battery.

Using Battery saver mode

Battery saver mode helps to increase battery life. It reduces the usage of features that drain the battery such as location services and mobile data.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Battery** > **Battery Saver**.

3. Tap **TURN ON NOW** or **TURN OFF NOW** to turn Battery saver mode on or off.

    To set when to automatically switch this mode on, tap the Turn on automatically **On/Off** switch. Then adjust the slider to set t a battery level.

Displaying the battery percentage

You can check the percentage of remaining battery power right from the status bar.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Battery**.

3. Tap the Battery percentage **On/Off** switch to show the battery percentage on the status bar.

Checking battery usage

See how the system and apps are using the battery and how much power is being used.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Battery**.

    You'll see how much power is left and about how long it will last.

3. Tap ⋮ > **Battery usage** and do the following:

    ▪ To see battery usage of both system and apps, tap ⋮ > **Show full device usage**.

    ▪ Tap an item to check how it uses the battery.

4. If you see the Manage battery usage section while viewing battery use details, you can tap the option underneath it to adjust settings that affect battery usage.

Another way to check the battery usage per app is to go to **Settings**, and then tap **Apps & notifications** > **See all ▁ apps**. Tap the app you want to check, and then tap **Advanced** > **Battery**.

Battery optimization for apps

When you have connections on while HTC 5G Hub is in sleep mode, some apps may still continue to use the battery. Battery optimization is enabled for all apps by default which helps prolong battery standby time when you're not using the device.

HTC 5G Hub needs to be sitting idle for an extended period of time before battery optimization takes effect.

Turning battery optimization off in apps

If there are apps that you don't want battery optimization enabled, you can turn the feature off in those apps.

1. Go to Settings. See

2. Tap **Apps and notifications** > **Advanced** > **Special app access**.

3. Tap **Battery optimization**.

4. Tap **Not optimized** > **All apps** to see the complete list of apps.

5. To turn off battery optimization in an app, tap the app name, and then tap **Don't optimize** > **Done**.

   Repeat this process to turn off optimization in other apps.

To filter the list and see which apps have battery optimization disabled, tap **All apps** > **Not optimized**.

Storage

Freeing up storage space

As you use HTC 5G Hub, you'll accumulate data and fill its storage capacity over time. Here are some tips on how to free up storage space on this HTC device.

Back up data and files

Keep only the most recent data in your apps and files that you often need to use. You can back up your other data and files. See Backup and reset on page 44.

Remove or disable apps

Uninstall apps that you've downloaded if no longer need them. See Uninstalling an app on page 56.

Preinstalled apps can be disabled when you're not using them. See Disabling an app on page 54.

Manually free up space

In Settings, tap **Storage** > **Free up space**—or tap **Storage** > **Internal shared storage** > **Free up space** if you have a storage card inserted. HTC 5G Hub then checks the internal storage and then suggest items that you may want to delete.

Move apps to the storage card

Third-party apps that you've downloaded and installed can be moved to the storage card if you've set up the card as internal storage. See Moving apps and data between the built-in storage and storage card on page 41 and Moving an app to or from the storage card on page 42.

Manage photos and videos

If you copied or downloaded photos and videos to HTC 5G Hub, you can do the following:

- After editing a photo or trimming a video, the original file is kept. Delete original files or move them elsewhere, such as to your computer.

- If you're only sending videos through MMS, use a lower resolution. Hi-res video takes up more space.

- Turn on **Storage manager** to clean up old photos and videos.

Types of storage

Below are the types of storage where app data and your files can be stored.

Internal storage

This is the built-in storage which contains the Android system, preinstalled apps, text messages, and cached data from the apps. You can also install apps that you've downloaded and capture screenshots to this storage.

Storage card

Use your storage card as a removable storage to store and access your media and other files on HTC 5G Hub, or set it up as an extension of the internal storage. See Should I use the storage card as removable or internal storage? on page 40.

USB storage

You can connect an external USB device—such as a USB flash drive or an SD card reader—and use it as your removable storage device. You may need to purchase an appropriate adapter to connect your USB storage device to HTC 5G Hub.

Should I use the storage card as removable or internal storage?

Use your storage card as removable storage when you have content on the card, such as media or photos, that you don't want to lose. If you have a brand new storage card, choose whether to use it as removable storage or set it up as an extension of the internal storage.

Removable storage

Use a new storage card as removable storage to be able to access the card's contents on HTC 5G Hub or other Android devices.

Internal storage

Set up a new storage card as internal storage for more privacy and secure use. This encrypts and formats the storage card to work just like the internal storage.

This also expands the internal storage space since:

- Captured screenshots, photos, media, and other files will be stored on the storage card.

- Third-party apps that you installed and their data can be moved between the built-in storage and storage card.

> ! After setting up the storage card as internal storage, the card can only be used on HTC 5G Hub where it has been formatted.

Setting up your storage card as internal storage

When you insert a storage card that has not been used on HTC 5G Hub before, the card will be mounted as removable storage by default. If the storage card is new or doesn't have content you want to keep, you can format it as internal storage for HTC 5G Hub.

- See Should I use the storage card as removable or internal storage? on page 40 to find out the differences between using the storage card as removable storage or internal storage.

- If there are still files on the storage card, back up the files first before you format the card.

1. Go to Settings, and then tap **Storage**.

2. Under Portable storage, tap ⚙ next to the storage card name.

3. Tap **Format as internal** > **Format SD card**.

4. Follow the onscreen instructions to move your installed apps and their data from the built-in storage to the storage card.

If you no longer want to use your storage card as internal storage, you can reformat the card as removable storage. Before you do so, make sure to move all the apps and data from the card back to the built-in storage. See Moving apps and data between the built-in storage and storage card on page 41.

Moving apps and data between the built-in storage and storage card

If you've set up your storage card as internal storage, you can move third-party apps that you installed and their data such as photos, media, and downloaded files to the storage card to free up storage space.

If you no longer want to use your storage card as internal storage, make sure to move all the apps and data from the card back to the built-in storage.

1. Go to Settings, and then tap **Storage**.

2. Tap the name of your storage card if you're moving app data from the built-in storage to the card, or tap **Internal shared storage** if you're moving data from the storage card back to the built-in storage.

3. Tap ⋮ > **Migrate data**.

4. Tap **Move content**.

- Screenshots will also be migrated.

- When you have new photos, videos, screenshots, or downloaded files after the migration, they will be saved to the new storage location.

Moving an app to or from the storage card

When you're running out of storage space, you can move a downloaded app and its data to the storage card if the card has been set up as internal storage.

If you need to reformat your storage card, make sure to move each app and its data back to the built-in storage before formatting the card.

> Preinstalled apps cannot be moved. Some third-party apps you've downloaded and installed to the built-in storage may also not allow you to move them to the storage card.

1. Go to Settings, and then tap **Storage**.

2. Tap **Internal shared storage**, and then tap **Other apps** if you want to move an app from the built-in storage to the storage card.

   Or tap the name of your storage card, and then tap **Apps** if you need to move an app from the storage card back to the built-in storage.

3. Tap an app you want to move.

4. Tap **Change**, and then tap where you want to move it to.

5. Tap **Move**.

Copying or moving files between the built-in storage and storage card

If you're using your storage card as removable storage, you can copy or move your files between the built-in storage and storage card. You can also copy or move files to or from an external USB storage device when you have it connected to HTC 5G Hub.

1. Go to Settings, and then tap **Storage**.

2. Tap **Internal shared storage** then tap **Files**, or tap the storage card name.

   Or tap the external USB storage device if you have one connected.

3. Open the folder that contains the files you want to copy or move.

4. To select or deselect files:

   - Press and hold a file to select it. To select more files, tap each file.
   - Tap a file to deselect it.
   - To select all files, tap ⋮ > **Select all**.

5. Tap ⋮ , and then tap **Copy to** or **Move to**.

6. Tap ☰ to open the slideout menu, and then choose where you'd like to copy or move your files.

7. Tap **Copy** or **Move**.

Copying files between HTC 5G Hub and your computer

You can copy your music, photos, and other files to HTC 5G Hub.

Save and close your files before copying them from your computer to HTC 5G Hub, or vice versa.

1. Connect HTC 5G Hub to the computer using your USB Type-C cable.

2. On HTC 5G Hub, unlock the screen if it's locked.

3. On the pop-up message that asks whether to use USB for file transfers, tap **Yes**.

   If you don't see this message, slide the Notifications panel open. Tap **Android System** > **Charging this device via USB**, and then do the following:

   - Under the USB controlled by setting, select **This device**.

   - Under the Use USB for setting, select **File transfer**.

4. When you see a pop-up window appear on your computer, choose to view files.

5. Copy the files from your computer to HTC 5G Hub, or vice versa.

6. After copying the files, disconnect HTC 5G Hub from the computer.

Unmounting the storage card

When you need to remove the storage card while HTC 5G Hub is on, unmount the storage card first to prevent corrupting or damaging the files in the storage card.

If your storage card is used as internal storage and there are apps that were moved to the card, you will not be able to open these apps after unmounting the card.

1. Go to Settings, and then tap **Storage**.

2. Do one of the following:

   - If your storage card appears under Portable storage, tap ⚙ > **Eject**.
   - If your storage card appears under Device storage, tap the card name, and then tap ⋮ > **Eject**.

Backup and reset

Backing up HTC 5G Hub

Back up HTC 5G Hub to Google Drive™ so you can restore content such as app data and settings after a factory reset or when restoring your data to another Android device.

1. Go to Settings, and then tap **System** > **Advanced** > **Backup**.

2. Make sure **Back up to Google Drive** is turned on.

To select a backup account other than your primary Google Account, tap **Account** and then select another Google Account. You can also tap **Add account** to add a new Google Account for your backup.

3. Tap **App data**, and then check that **Automatic restore** is turned on.

   This allows an app's data and settings to be restored when you reinstall the app on HTC 5G Hub.

The auto backup feature in Android will periodically back up HTC 5G Hub to a private folder in Google Drive. Backup data will not count towards your Google Drive storage quota. Large files or files that app developers have chosen to exclude will not be backed up.

You can also tap **Back up now** to manually back up HTC 5G Hub anytime.

Resetting network settings

Reset the network settings when you're having problems connecting HTC 5G Hub to the Internet or Bluetooth devices.

1. Go to Settings, and then tap **System** > **Advanced** > **Reset options**.

2. Tap **Reset mobile & Bluetooth**.

3. Tap **Reset settings**.

4. Tap **Reset settings** again.

Resetting HTC 5G Hub (Hard reset)

If HTC 5G Hub has a persistent problem that cannot be solved, you can perform a factory reset (also called a hard reset or master reset). A factory reset reverts HTC 5G Hub back to its initial state—the state before you turned it on for the first time.

> Apps you've downloaded and installed, your accounts, your files, as well as system and app data and settings will be removed. Be sure to back up any data and files you want to keep before you do a factory reset.

1. Go to Settings, and then tap **System** > **Advanced** > **Reset options**.
2. Tap **Erase all data (factory reset)**.
3. Tap **Reset Device**.
4. Tap **Erase Everything**.

> A factory reset may not permanently erase all data, including personal information.

Updates

Software and app updates

Download and install software updates for the latest performance enhancements, bug fixes, and security improvements. HTC 5G Hub can check and notify you if there's a new update available.

Some app updates are available from HTC or your mobile operator, and you'll receive notifications on HTC 5G Hub when there are new updates. Or you can install app updates from Google Play Store. Some HTC apps that are not preloaded can also be downloaded from Google Play Store.

> The information in this guide may not be most up-to-date if there are more recent software or app updates available.

Checking your system software version

Before installing a system software update, you can check first what Android version you have on your HTC device.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **System** > **About device**.

3. Check under Android version.

Enabling automatic updates

You can choose to automatically download and install system updates as well as certain HTC app updates.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **System** > **Advanced** > **Software updates**.

3. Choose whether to turn on **Auto download system updates** and **Auto update apps**.

   App updates are installed automatically. You'll still need to confirm when to install system software updates.

Checking for updates manually

Make sure you have an Internet connection before you check for updates.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **System** > **Advanced** > **Software updates**.

3. Tap **Check now**.

Installing a software update

When HTC 5G Hub is connected to the Internet and there's a new software update available, the update notification icon appears in the status bar.

1. Slide the Notifications panel open, and then tap the system update notification.

2. If you don't want to download the update using your data connection, select **Update over Wi-Fi only**.

3. Tap **Download**.

4. When download is complete, select **Install now**, and then tap **OK**.

After updating, HTC 5G Hub will restart.

Installing an application update

When Internet connection is on and there's an available update for your HTC apps, the update notification icon appears in the status bar.

1. Slide the Notifications panel open, and then tap the update notification.

   The Updates screen opens with the list of application updates to be installed.

2. Tap an item to view its details, and then tap ◁.

3. When you're done reviewing the updates, tap **Install**. You'll be asked to restart HTC 5G Hub if needed.

Installing app updates from Google Play Store

Most apps get updated with improvements and bug fixes through Google Play Store. You can manually update apps or set the Google Play Store app to automatically download and install app updates when available.

1. Open the Google Play Store app.

2. Tap ☰ to open the slideout menu.

3. Tap **My apps & games**.

4.   On the Updates tab, you'll see the list of apps that have updates available.

5.   Tap **Update** beside the app you want to update.

Tap **Update All** if you want to update all the apps.

In Google Play Store, tap ☰ > **Settings** > **Auto-update apps** to choose how you want Google Play Store to update your apps.

Using apps

Accessing and opening apps

There are two ways to access your apps, depending on the Home screen launcher you've chosen.

1. Do one of the following:

   ▪ In **HTC 5G Hub mode**:

     From the Dashboard screen, swipe left to go to the Home screen.

     There may be one or more Home screen panels with apps. Swipe left or right to switch between panels.

   ▪ In **Android mode**:

     From the Home screen, swipe up to open the Apps screen.

2. Tap an app to open it.

Clock

Get more from the Clock app than just the regular date and time. You can check the times around the world, set an alarm, and use the stopwatch. Learn more about Clock by going to http://www.htc.com/support/apps/clock/.

Weather

Use the Weather app and widget to check the current weather and weather forecasts for the next few days. Learn more about Weather by going to http://www.htc.com/support/apps/weather/.

What you can do on Google Photos

> The help content here is based on the following app version: 4.11.x.

Here are some of the things you can do when using Google Photos™.

▪ View, edit, and share your photos and videos. You can also access the media files previously backed up to your Google Account.

▪ To select photos and videos, tap ⋮ > **Select**. Tap a date to select all the media files under it. Or, tap the thumbnails that you want to select.

- Create collages, animations, and movies.

- Search by people, things, or places in your photos.

To learn more about Google Photos, tap ☰ > **Help**. Or, you can visit support.google.com/photos.

Viewing photos and videos

When you open Google Photos for the first time, sign in to your Google Account, if prompted, and choose whether to turn backup and sync on or off.

1. Open the Photos app.

   You'll see your local and backed up photos and videos organized by date.

2. To switch to another view, tap ⋮ > **Layout**, and then choose how you want to view your media files.

3. Tap a thumbnail to view it in full screen.

4. To view only the photos and videos saved on your HTC device and storage card, tap ☰ > **Device folders**.

Editing your photos

1. Open the Photos app.

2. Tap a photo thumbnail to view it in full screen.

3. Tap 🎚, and then do any of the following:

   - Tap 🎚 to adjust the brightness, color, and more.
   - Tap ⊞ to apply a filter to the photo.
   - Tap ↺ to rotate or crop the photo.

4. While you're editing, press and hold the photo to compare your changes to the original.

5. After making your adjustments, tap **Save**.

Trimming a video

1. Open the Photos app.

2. Tap a video thumbnail to view it in full screen.

3. Tap 🎚, and then drag the trim sliders to the part where you want the video to begin and end.

4. Tap ▶ to preview your trimmed video.

5. Tap **Save**.

The trimmed video is saved as a copy. The original video remains unedited.

Working with apps

App shortcuts

Press and hold an app icon to display a menu that lets you quickly access common app functions.

> Not all apps support the app shortcuts feature.

1. Press and hold an app icon, for example Clock.
2. From the displayed menu, tap the function you want to launch in the app.
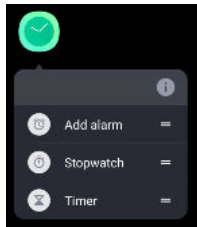
Switching between recently opened apps

When using different apps, you can easily switch between the apps you've recently opened.

Press ☐ to see your recently-opened apps.
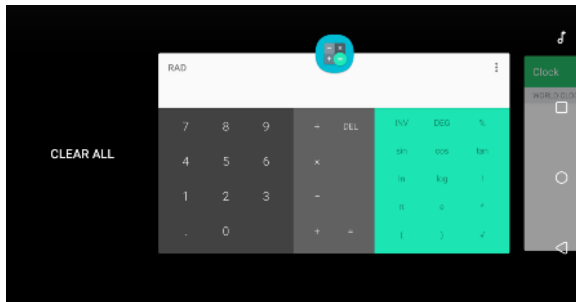
- To go back to an app, scroll through the cards to find the app and tap it.
- To remove an app, drag it up.
- To remove all of the apps, swipe right until you reach the first card. Then tap **Clear all**.

Or, press ☐ twice to quickly switch between two most recently used apps.

Working with two apps at the same time

1. Open the first app you want to use, and then press ☐.
2. At the top border of the app, press and hold the app icon.

3. Tap **Split screen**. A screen divider will appear and you'll see two screens.

4. Do one of the following:

   - If there are open apps in the recent apps list, tap an app you want to use on the second screen.
   - Press ○, and then find and open the app you want to use on the second screen.

To turn off the split-screen view, drag the handle of the screen divider to the left or right edge of the screen.

Using picture-in-picture

Keep a small window of the video you're watching or a supported app onscreen while you do other things on HTC 5G Hub.

> Not all apps support picture-in-picture.

1. Open a supported app, such as a video player or video call app, and start the video. Display the video in full screen.

2. Press ○.

   The video continues to play in a small window at the bottom-right corner of the screen.

3. While viewing the video, you can do other things at the same time, such as use another app.

4. Drag the small window to move it to another position.

   Double-tap the window to display the video in full screen again.

How do I check whether an app supports picture-in-picture?

The app info will show the picture-in-picture option if the app supports it.

1. Press and hold the app icon, and then tap ⓘ.

2. On the App info screen, tap **Advanced**. Then check if there's the **Picture-in-picture** option. It is enabled by default.

> To turn this feature on or off, tap **Picture-in-picture**, and then tap the Allow picture-in-picture **On/Off** switch.

To check which apps support picture-in-picture, go to **Settings**, and then tap **Apps & notifications** > **Advanced** > **Special app access** > **Picture-in-picture**.

Controlling app permissions

When you open apps the first time, you'll be prompted to grant them permissions to access certain data or features, such as contacts or the microphone. This gives you more control over which apps have authorized access.

- If you suspect a certain app of being malicious or requesting unnecessary permissions, you should choose **Deny**.

- If you choose **Deny** in a trusted app, you may not be able to use the app or access its full functionality. When this happens, go to Settings to change the app permissions.

1. Go to Settings, and then tap **Apps & notifications**.

2. Tap **Advanced** > **App permissions**, and then tap the data type or feature to choose which apps can access it.

3. Turn on the **On/Off** switch of the app to let it access the data or feature.

To change the types of data that an app can have access to, press and hold the app on the Home screen or Apps screen, tap ⓘ, and then tap **Permissions**.

Setting default apps

In Settings, you can choose default apps for web browsing, text messaging, and more.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Apps & notifications**.

3. Tap **Default apps**.

4. Choose your default launcher, web browser, text messaging apps, and more.

Setting up app links

If there's more than one app that can be opened when you tap a link—such as a shared social post or media link—you may be prompted to choose the app you want to use. When you're prompted after you've tapped a link, select an app, and then tap **Always** to set that app as the default app to use.

You can also go to Settings to see how app links have been set up for different apps and change them.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Apps & notifications**.

3. Tap **Default apps**.

4. Tap **Opening links**.

5. Tap the app you want to configure, and then tap **Open supported links**.

6. Select **Open in this app** to always open the app without being prompted when you tap a link.

   You can also choose whether to always be prompted to choose the app or never use the app for opening links.

Disabling an app

Apps, even if not used often, may be running in the background and downloading data. If an app cannot be uninstalled, you can disable it.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Apps & notifications**.

3. At the bottom of Recently opened apps, choose to see all apps.

4. Tap the app, and then tap **Disable**.

You can also press and hold an app on the Home screen or Apps screen, tap ⓘ , and then tap **Disable**.

Installing and removing apps

Getting apps from Google Play Store

Google Play Store is the place to go to find new apps for HTC 5G Hub. Choose from a wide variety of free and paid apps ranging from productivity apps, entertainment, to games.

- To purchase apps and other content on Google Play Store, you can use the payment methods from your Google Account. When you make your first purchase, your selected payment method will be added to your Google Account. To learn more about accepted payment methods, see support.google.com/googleplay.

- The available payment methods vary by country.

Finding and installing an app

When you install apps and use them on HTC 5G Hub, they may require access to your personal information or access to certain functions or settings. Download and install only apps that you trust.

Be cautious when downloading apps that have access to functions or a significant amount of your data on HTC 5G Hub. You're responsible for the results of using downloaded apps.

1. Open the Google Play Store app.

2. Tap the search bar and enter the app name you're looking for.

3. When you see the app in the search results list, tap it and read its description and user reviews.

4. Do one of the following:

    - To install a free app, tap **Install**.
    - To install a paid app, tap the price button. If you have not added a payment method to your Google Account, tap **Continue**, and then select the payment method.

Apps sometimes get updated with improvements or bug fixes. By default, updates are automatically downloaded when you're connected to a Wi-Fi network. In the Google Play Store app settings, you can turn auto-update off. See Installing app updates from Google Play Store on page 47.

Restoring apps from Google Play Store

If you performed a factory reset or had some favorite apps on another Android device, you can easily reinstall your apps on HTC 5G Hub.

1. Open the Google Play Store app.

2. Tap ☰ to open the slideout menu.

3. Tap **My apps & games** and swipe to the Library tab.

4. Tap **Install** next to the app you want to restore.

Downloading apps from the web

You can download apps directly from websites.

Apps downloaded from websites can be from unknown sources. To help protect HTC 5G Hub and your personal data, we strongly recommend that you only download from websites you trust.

1. Open the browser, and then go to the website where you can download the app you want.

2. If prompted, tap **Settings**, and then turn on **Allow from this source**.

3. Follow the website's download instructions for the app.

To review installation permissions for installed apps, go to **Settings** > **Apps & notifications** > **Advanced** > **Special app access** > **Install unknown apps**.

Uninstalling an app

If you no longer need an app that you've downloaded and installed, you can uninstall it.

Most of the preloaded apps cannot be uninstalled.

Press and hold the app you want to remove, and then drag it to **Uninstall**.

If you uninstalled a purchased app, check support.google.com/googleplay for information about refunds.

Common settings

Adjusting the volume

HTC 5G Hub uses a software volume control.
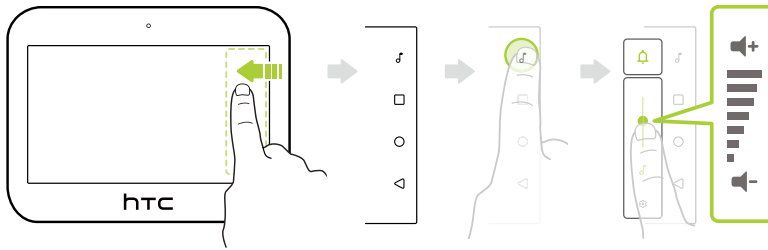
1. If you're using **HTC 5G Hub mode**, swipe left from the right edge of the screen.

2. Tap to open the volume control.

3. Do any of the following:

   - Tap to toggle the notification sound on and off.
   - Slide the volume bar to adjust the volume of music, video, and other media.
   - Tap to adjust sound in Settings.

Setting the default volume

1. Go to Settings, and then tap **Sound**.

2. Slide the volume bars for each type of sound source.

Changing your notification sound

Make sure the volume is on.

1. Go to Settings, and then tap **Sound**.

2. Tap **Default notification sound**, and then select one from the list.

3. Tap **OK**.

Do not disturb mode

Turn on Do not disturb mode to block visual disturbances and mute sound.

1. Go to Settings, and then tap **Sound** > **Do not disturb**.

2. Tap **Turn on now**.

Blocking or muting notifications

Block visual disturbances such as pop-up notifications or mute the notification sound.

1. Go to Settings, and then tap **Sound** > **Do not disturb**.

2. Tap **Notifications**, and then choose an option:

   - **No sound from notifications**: Mutes the notification sound but still displays the visual notifications.
   - **No visual or sound from notifications**: Prevents visual notifications from appearing and mutes their sound.
   - **Custom**: Lets you customize the behavior when the screen is on or off.

Setting exceptions to allow bypassing Do not disturb mode

Set exceptions so HTC 5G Hub can bypass Do not disturb mode and still be able to receive messages from your mobile operator and get notified of your calendar events.

1. Go to Settings, and then tap **Sound** > **Do not disturb**.

2. Under Exceptions, tap **Messages, events & reminders**.

3. Choose the options you want to allow to bypass Do not disturb mode.

> Tap **Allow messages** and make sure the **Anyone** option is selected so you can receive text messages.

Setting a Do not disturb schedule

Schedule Do not disturb to turn on automatically. For example, you can set it to turn on during a weekly meeting.

1. Go to Settings, and then tap **Sound** > **Do not disturb**.

2. Under Schedule, tap **Turn on automatically** > **Add rule**.

3. Select whether to base the rule on a time or an event, enter a name for the rule, and then tap **Add**.

4. Customize the settings for the rule.

Rule	Settings
Time	▪ Set the days. ▪ Set the start and end times. You can also choose whether to allow the rule to stop at either the rule end time or by the next alarm you've set.
Event	▪ Select a calendar you want to make the rule for. ▪ Set a condition for the type of reply.

You can toggle the event or time rule you've created on or off. Tap the rule, and then tap the Use rule **On/Off** switch.

Turning the location setting on or off

When the location setting is turned on, you can get information such as nearby restaurants and driving route suggestions based on your current location. HTC 5G Hub will base on available connections such as your mobile operator's network and Bluetooth to determine your location.

1. Go to Settings. See Getting to know your settings on page 18.

2. Tap **Google** > **Location**.

3. Tap the Use location **On/Off** switch to toggle location services on or off.

If you turn the location setting off, apps and services will not be able to get your device location, but you may still get local results and ads based on your device's IP address.

Airplane mode

When you enable Airplane (Flight) mode, all wireless radios on HTC 5G Hub are turned off, including data services, Bluetooth, and Wi-Fi and 802.11ad hotspots.

> § You can manually turn Bluetooth back on after enabling Airplane mode.
>
> § If tethering or hotspots are turned on, enabling Airplane mode turns them off. You need to manually turn them back on after you disable Airplane mode.

Do any of the following to turn Airplane mode on or off:

§ In **Settings** > **Network & Internet** > **Advanced**, tap the Airplane mode **On/Off** switch to turn Airplane mode on or off.

§ With two fingers, swipe down from the status bar to open the Quick Settings panel. Tap the **Airplane mode** tile to turn airplane mode on or off.

When enabled, the Airplane mode icon ✈ is displayed in the status bar.

Setting when to turn off the screen

After a period of inactivity, the screen turns off to conserve battery power. You can set the idle time before the screen turns off.

1. Go to Settings, and then tap **Display**.

2. Tap **Advanced**.

3. Tap **Sleep**, and then tap the time before the screen turns off.

Screen brightness

1. Go to Settings, and then tap **Display**.

2. Tap **Brightness level**.

3. Drag the brightness slider to the left to decrease or to the right to increase the screen brightness.

Night Light

Adjust the screen from blue to a warmer color to help reduce eye strain when viewing it at night.

1. Go to Settings, and then tap **Display**.

2. Tap **Night Light**, and then tap **Schedule** to set a schedule when to turn on the feature.

3. With Night Light turned on, drag the slider to adjust the color temperature. Dragging the Intensity slider to the right filters out more blue light.

4. After you've set a schedule, tap the **On/Off** switch to turn it off. Night Light will then follow the schedule you've set.

Tap **Turn On/Turn Off** to toggle this feature immediately.

Touch sounds

Some people like the sound feedback they get when touching the screen, and some don't. You can turn on or off various types of touch sounds on HTC 5G Hub.

* Touch sounds when tapping onscreen items
* Screen lock sounds
* Pull-to-refresh sounds
* Touch sound when tapping the keyboard

Turning touch sounds on and off

1. Go to Settings, and then tap **Sound**.

2. Tap **Advanced**.

3. Under Other sounds, select the options you want to turn on or off.

Turning off keyboard touch feedback

1. Go to Settings, and then tap **System**.

2. Tap **Language & input** > **Virtual keyboard** > **Gboard** > **Preferences**.

3. Under Key press, you can:

    Tap the Sound on keypress **On/Off** switch to turn on or off the keyboard sounds.

Changing the display language

Changing the language adjusts the keyboard layout, date and time formatting, and more.

You can choose several languages and specific dialects so that apps with localized content will display correctly.

1. Go to Settings, and then tap **System** > **Languages & input**.

2. Tap **Languages**. The first language in the list is the default display language.

3.   Tap **Add a language** to add another language to the list, and then select the regional variant of the language.

You can press and hold ≡ next to the language you want, and drag it to the beginning of the list to set it as your display language.

4.   To remove languages from the list, tap ⋮ > **Remove** and then select the languages you want to remove.

Turning Bluetooth on or off

1.   Go to Settings, and then tap **Connected devices**.

2.   Tap **Connection preferences** > **Bluetooth**, then tap the **On/Off** switch to turn the Bluetooth connection on and off.

3.   Tap **Pair new device** to see a list of available devices.

Turn off Bluetooth when not in use to save battery power, or in places where using a wireless device is prohibited, such as on board an aircraft and in hospitals.

Connecting a Bluetooth headset

You can connect a compatible Bluetooth accessory such as a Bluetooth A2DP stereo headset to HTC 5G Hub.

Before you connect your headset, make it discoverable so HTC 5G Hub can find it. Refer to your headset manual for details.

1.   Turn Bluetooth on and check the list of available devices.

   See Turning Bluetooth on or off on page 62.

2.   Tap the name of your headset in the Available Devices section. HTC 5G Hub pairs with the headset and the headset connection status is displayed in the Paired Devices section.

3.   If prompted to enter a passcode, try 0000 or 1234, or consult the headset documentation to find the passcode.

Reconnecting a Bluetooth headset

Normally, you can easily reconnect your headset by switching on Bluetooth on HTC 5G Hub, and then turning on the headset.

However, you might have to connect manually if your headset has been used with another Bluetooth device.

1. Turn Bluetooth on and check the list of paired devices.

    See Turning Bluetooth on or off on page 62.

2. Tap the headset's name in the Previously connected devices section.

3. If prompted to enter a passcode, try `0000` or `1234`, or consult the headset documentation to find the passcode.

If you still cannot reconnect to the headset, follow the instructions in Unpairing from a Bluetooth device on page 63, and then follow the steps under Connecting a Bluetooth headset on page 62.

Unpairing from a Bluetooth device

1. Turn Bluetooth on and check the list of paired devices.

    See Turning Bluetooth on or off on page 62.

2. In the Previously connected devices section, tap ⚙ next to the device to unpair.

3. Tap **Forget**.

Receiving files using Bluetooth

HTC 5G Hub lets you receive various files with Bluetooth including photos, contact info, and documents such as PDFs.

📢 Refer to the device's documentation for instructions on sending information over Bluetooth.

1. Turn Bluetooth on.

    See Turning Bluetooth on or off on page 62.

2. On the sending device, send one or more files to HTC 5G Hub.

3. If asked, accept the pairing request on HTC 5G Hub and on the sending device. You may also be prompted to enter the same passcode or confirm the auto-generated passcode on both devices.

    You'll then get a Bluetooth authorization request.

4. Tap **Pair**.

5. When HTC 5G Hub receives a file transfer request notification, slide the Notifications panel down, tap the incoming file notification, and then tap **Accept**.

6. When a file is transferred, a notification is displayed. Slide the Notifications panel down, and then tap the relevant notification.

7. Tap the received file to view it.

Security settings

Assigning a PIN to a nano SIM card

You can help to protect the nano SIM card by assigning a Personal Identification Number (PIN).

> Make sure you have the default PIN provided by your mobile operator before continuing.

1. Go to Settings, and then tap **Security**.

2. Tap **SIM card lock**.

3. Tap the Lock SIM card **On/Off** switch to turn it on. Enter the default PIN of the card, and then tap **OK**.

4. To change the card PIN, tap **Change SIM PIN**.

Restoring a nano SIM card that has been locked out

If you enter the wrong PIN more times than the maximum number of attempts allowed, the card will become "PUK-locked."

You need a Pin Unlock Key (PUK) code to restore access to HTC 5G Hub. Contact your mobile operator for this code.

1. When prompted, enter the PUK code, and then tap **Next**.

2. Enter the new PIN you want to use, and then tap **Next**.

3. Enter the new PIN again, and then tap **OK**.

Setting a screen lock

Help protect your personal information and help prevent others from using HTC 5G Hub without your permission.

Choose to set a screen lock pattern, numeric PIN, or other means of locking your screen. You'll be asked to unlock the screen every time HTC 5G Hub is turned on or when it's idle for a preset period of time.

1. Go to Settings, and then tap **Security**.

2. Under Device security, tap **Screen lock**.

3. Select a screen lock option and set up the screen lock.

4. Next to **Screen lock**, tap ⚙ > **Automatically lock**, then specify the idle time before the screen locks.

> 💡 If you've set up a screen lock pattern and you don't want the pattern shown as you draw it, tap ⚙ and tap the **Make pattern visible On**/**Off** switch to turn it off.

Setting up Smart Lock

Set Smart Lock to unlock your screen when HTC 5G Hub recognizes your voice. Use Smart Lock as an alternative way to unlock your device, saving you the hassle of entering your password, PIN, or pattern.

You can also set it to keep HTC 5G Hub unlocked in certain situations, such as when it's with you and you're in a trusted location.

1. Go to Settings, and then tap **Security**.

2. Tap **Smart Lock**.

> 📢 You need to have a screen lock set up before you can use Smart Lock. If you haven't set up a screen lock, tap **Screen lock**. This will be your alternate screen lock method.

3. Confirm your screen lock.

4. Choose whether to unlock your device with your voice, or keep the device unlocked when:

   - You're carrying the device
   - You're in a trusted location, such as your home or office
   - HTC 5G Hub is connected to another trusted device, such as your Bluetooth watch or car system

5. Follow the onscreen instructions, and then press ◁ to return to the Security screen.

6. Under Device security, tap ⚙ to the right of **Screen lock**, tap **Automatically lock**, and then specify the idle time before the screen is locked.

Turning the lock screen off

Rather not have to unlock your device every time you wake it up? You can turn the lock screen off in Settings.

It is recommended that you have a screen lock to help secure your device from unwanted access.

1. Go to Settings, and then tap **Security**.

2. Tap **Screen lock**.

3. Enter or confirm your lock screen, and then tap **None** ᐳ **Yes, remove**.

To turn lock screen on again, tap **Screen lock** again to set one.

Trademarks and copyrights

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